

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	196	silica AND (coupling ADJ agent) AND (diene ADJ rubber) AND (rubber\$4 ADJ (polymer OR resin)) AND solvent	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 06:51
S2	123	S1 AND @pd<="20030730"	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/26 11:35
S3	14	S2 AND (alkoxysilane OR ethoxysilane OR methoxysilane)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/26 12:02
S4	13	((("5227425") or ("3317458") or ("3686113") or ("5405897") or ("3767605") or ("3055956") or ("4481329") or ("4482657") or ("3907734")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 12:07
S5	38835	(chen OR materne OR bowen).in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 16:38
S6	2622	S5 AND rubber	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/26 12:35
S7	571	S6 AND silica	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/26 12:09
S8	422	S7 AND solvent	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/26 12:09
S9	113	S8 AND silane	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/26 12:11
S10	64	S9 AND tire	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/26 12:35
S11	4829	goodyear.as.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 16:38
S12	163	S11 AND rubber AND silica AND solvent AND silane AND tire	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/26 12:36
S13	18	S12 AND toroid\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/26 12:36
S14	1	silica AND (coupling ADJ agent) AND (diene ADJ rubber) AND (rubber\$4 ADJ (polymer OR resin)) AND solvent	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/26 12:40
S15	0	(coupling ADJ agent) AND (diene ADJ rubber) AND (rubber\$4 ADJ (polymer OR resin)) AND silane	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/26 12:41
S16	198	(diene ADJ rubber) AND silane	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/26 12:41
S17	10	S16 AND solvent	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/26 12:41
S18	0	(silylpropyl) AND (silica) AND (diene ADJ rubber) AND (rubber\$4 ADJ (polymer OR resin)) AND solvent AND (alkoxysilane OR ethoxysilane OR methoxysilane)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/27 13:37
S19	33	(silylpropyl) AND (silica) AND (diene ADJ rubber) AND (alkoxysilane OR ethoxysilane OR methoxysilane)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/27 13:35

S20	5462	((524/261,262,267,393,492,543,572) or (523/200,202,212,216)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/02 15:11
S21	12	S20 AND ((silylpropyl) AND (silica) AND (diene ADJ rubber) AND solvent AND (alkoxysilane OR ethoxysilane OR methoxysilane))	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 15:11
S22	0	(silylpropyl) AND (silica) AND (diene ADJ rubber) AND solvent AND (alkoxysilane OR ethoxysilane OR methoxysilane)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/27 13:39
S23	6	(silica) AND (diene ADJ rubber) AND solvent AND (coupling ADJ agent)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/27 13:39
S24	394	(tire) AND (toroid\$3) AND (carcass) AND (tread) AND (bead) AND (ply) AND (radial\$3) AND (ground AND contact\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 10:51
S25	59	(tire) AND (toroid\$3) AND (carcass) AND (circumferential ADJ tread) AND (two ADJ spaced ADJ beads) AND (ply) AND (radial\$3) AND (ground AND contact\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 10:59
S26	59	(tire) SAME (toroid\$3) SAME (carcass) SAME (circumferential ADJ tread) SAME (two ADJ spaced ADJ beads) SAME (ply) SAME (radial\$3) SAME (ground AND contact\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 12:29
S27	1	(functionalized ADJ diene ADJ rubber) WITH (tetraalkoxysilane OR tetramethoxysilane OR tetraethoxysilane)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 13:19
S28	33	(functionalized) WITH (tetraalkoxysilane OR tetramethoxysilane OR tetraethoxysilane)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 12:30
S29	32	(functionalized) WITH (tetraalkoxysilane OR tetraethoxysilane)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 12:32
S30	1	("5066721").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/28 12:31
S31	5	((functionalized) WITH (tetraalkoxysilane OR tetraethoxysilane)) SAME (molecular ADJ weight)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 08:51
S32	5	(rubber\$2 OR diene) WITH (tetraalkoxysilane OR tetraethoxysilane) WITH (molecular ADJ weight)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 12:37
S33	1	("5409969").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/28 13:19
S34	22	("4820751"   "4822844"   "4843120"   "4866131"   "4894420"   "5047483"   "5061765"   "5137998"   "5227425"   "5239009"   "5272220"   "5405927"   "5620939"   "5627237"   "5654384"   "5677402"   "5981639"   "6075095"   "6084022"   "6172138"   "6255397"   "6329467").PN. OR ("6378582").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 13:26
S35	54	(silica) AND (coupling ADJ agent) AND (tetraalkoxysilane OR tetraethoxysilane OR tetramethoxysilane) AND (solvent) AND (phr) AND (molecular ADJ weight) AND (rubber OR diene OR styrene)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 13:29
S36	10	("4957970"   "5001171"   "5440064"   "5580919"   "5597882"   "5674932"   "5760110"   "5798405").PN. OR ("6166108").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 13:37
S37	699	(152/209.1,905).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/29 06:51
S38	5466	((524/261,262,267,393,492,543,572) or (523/200,202,212,216)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/29 06:54

S39	37	(S38 OR S37) AND (silica AND (coupling ADJ agent) AND (rubber OR diene) AND (solvent) AND (tetraalkoxysilane OR tetraethoxysilane OR tetramethoxysilane OR (tetra ADJ alkoxy silane) OR (tetra ADJ ethoxy silane) OR (tetra ADJ methoxy silane) OR (tetra ADJ alkoxy ADJ silane) OR (tetra ADJ ethoxy ADJ silane) OR (tetra ADJ methoxy ADJ silane)) AND phr)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 06:55
S40	0	((styrene ADJ butadiene ADJ rubber) WITH (tetraethoxysilane OR (tetra ADJ ethoxysilane) OR (tetra ADJ ethoxy ADJ silane) OR TEOS)) WITH (molecular ADJ weight)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 08:52
S41	0	((styrene ADJ butadiene) WITH (tetraethoxysilane OR (tetra ADJ ethoxysilane) OR (tetra ADJ ethoxy ADJ silane) OR TEOS)) WITH (molecular ADJ weight)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 08:53
S42	0	((styrene OR butadiene) WITH (tetraethoxysilane OR (tetra ADJ ethoxysilane) OR (tetra ADJ ethoxy ADJ silane) OR TEOS)) WITH (molecular ADJ weight)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 08:53
S43	18	((styrene OR butadiene) SAME (tetraethoxysilane OR (tetra ADJ ethoxysilane) OR (tetra ADJ ethoxy ADJ silane) OR TEOS)) SAME (molecular ADJ weight)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 08:57
S44	18	((styrene OR butadiene) SAME (tetraethoxysilane OR (tetra ADJ ethoxysilane) OR (tetra ADJ ethoxy ADJ silane) OR TEOS)) SAME (molecul\$4 NEAR3 weight)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 08:57
S45	12	((rubber) SAME (tetraethoxysilane OR (tetra ADJ ethoxysilane) OR (tetra ADJ ethoxy ADJ silane) OR TEOS)) SAME (molecul\$4 NEAR3 weight)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 08:59
S46	31	(rubber OR styrene OR butadiene) SAME (tetraalkoxysilane OR tetraethoxysilane OR tetramethoxysilane OR (tetra ADJ alkoxy silane) OR (tetra ADJ ethoxysilane) OR (tetra ADJ methoxysilane) OR (tetra ADJ alkoxy ADJ silane) OR (tetra ADJ ethoxy ADJ silane) OR (tetra ADJ methoxy ADJ silane)) SAME (molecul\$4 NEAR3 weight)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 09:22
S47	341	(tetraalkoxysilane WITH tetraethoxysilane WITH tetramethoxysilane)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 10:18
S48	11	(tetraalkoxysilane WITH tetraethoxysilane WITH tetramethoxysilane) SAME (rubber OR styrene OR butadiene)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 09:23
S49	6719	((524/261,262,267,393,492,543,572) or (523/200,202,212,216)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/03 12:53
S50	90	S49 AND (silica NEAR4 coupling NEAR3 agent) AND silica AND (butadiene NEAR4 rubber) AND solvent AND (alkoxysilane OR ethoxysilane OR methoxysilane OR tetraalkoxysilane OR tetraethoxysilane OR tetramethoxysilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 12:53
S51	3	S49 AND (silica NEAR4 coupling NEAR3 agent) AND silica AND ((butadiene NEAR4 rubber) WITH (alkoxysilane OR ethoxysilane OR methoxysilane OR tetraalkoxysilane OR tetraethoxysilane OR tetramethoxysilane)) AND solvent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:34
S52	3	S49 AND (silica NEAR4 coupling NEAR3 agent) AND silica AND ((butadiene NEAR4 rubber) WITH (alkoxysilane OR ethoxysilane OR methoxysilane OR tetraalkoxysilane OR tetraethoxysilane OR tetramethoxysilane))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:35

S53	3	(silica NEAR4 coupling NEAR3 agent) AND silica AND ((butadiene NEAR4 rubber) WITH (alkoxysilane OR ethoxysilane OR methoxysilane OR tetraalkoxysilane OR tetraethoxysilane OR tetramethoxysilane))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 15:35
S54	112433	(chen OR materne OR bowen).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 16:38
S55	11791	goodyear.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 16:38
S56	42	(S54 OR S55) AND (silica NEAR4 coupling NEAR3 agent) AND silica AND (butadiene NEAR4 rubber) AND solvent AND (alkoxysilane OR ethoxysilane OR methoxysilane OR tetraalkoxysilane OR tetraethoxysilane OR tetramethoxysilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 08:13
S57	17	S56 AND (molecular NEAR2 weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 17:47
S58	240	(silica NEAR4 rubber) SAME (molecular NEAR2 weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 18:02
S59	422	((butadiene NEAR4 rubber) SAME (molecular NEAR2 weight)) AND silica AND (coupling ADJ agent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 18:03
S60	201	((butadiene NEAR4 rubber) WITH (molecular NEAR2 weight)) AND silica AND (coupling ADJ agent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 18:04
S61	98	S60 AND (tire OR tyre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 18:05
S62	91	S60 AND (tire OR tyre)	US-PGPUB; USPAT	OR	ON	2005/11/02 18:05
S63	72	(silica NEAR4 rubber) SAME (dispers\$5 OR mix\$3 OR blend\$3 OR scatter\$4 OR dissolv\$4 OR diffus\$4 OR combin\$4) SAME (rubber NEAR4 (cement OR matrix))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 07:40

S64	29	S63 AND (coupling NEAR2 agent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 07:26
S65	14	S64 AND ((weight NEAR2 average) OR (molecular NEAR2 weight) OR mw OR "m.sub.w")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 12:54
S66	58	S63 NOT S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 07:29
S67	51	S66 AND @pd<"20030730"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 07:41
S68	75	(silica NEAR4 (rubber OR butadiene OR polybutadiene)) SAME (dispers\$5 OR mix\$3 OR blend\$3 OR scatter\$4 OR dissolv\$4 OR diffus\$4 OR combin\$4) SAME (rubber NEAR4 (cement OR matrix))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 07:41
S69	31	S68 AND (tire OR tyre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 07:41
S70	19	S69 AND @pd<"20030730"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 07:41
S71	7	S70 AND ((weight NEAR2 average) OR (molecular NEAR2 weight) OR mw OR "m.sub.w")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 07:41
S72	2	((alkoxysilane OR ethoxysilane OR methoxysilane OR tetraalkoxysilane OR tetraethoxysilane OR tetramethoxysilane) WITH function\$5 WITH (butadiene OR polybutadiene)) SAME ((weight NEAR2 average) OR (molecular NEAR2 weight) OR mw OR "m.sub.w")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 08:21
S73	16	((alkoxysilane OR ethoxysilane OR methoxysilane OR tetraalkoxysilane OR tetraethoxysilane OR tetramethoxysilane) WITH (butadiene OR polybutadiene)) SAME ((weight NEAR2 average) OR (molecular NEAR2 weight) OR mw OR "m.sub.w")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 08:22
S74	14	S73 NOT S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 08:22

S75	7363	((524/261,262,267,393,492,543,572) or (523/200,202,212,216) or (152/905,209.1)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/03 12:53
S76	97	S75 AND (silica NEAR4 coupling NEAR3 agent) AND silica AND (butadiene NEAR4 rubber) AND solvent AND (alkoxysilane OR ethoxysilane OR methoxysilane OR tetraalkoxysilane OR tetraethoxysilane OR tetramethoxysilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 12:53
S77	52	S76 AND ((weight NEAR2 average) OR (molecular NEAR2 weight) OR mw OR "m.sub.w")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/03 12:54